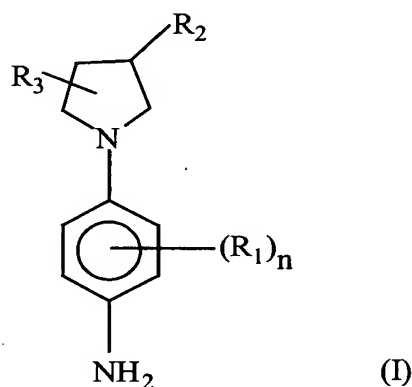


## WHAT IS CLAIMED IS:

1. A dyeing composition for dyeing keratinous fibres comprising, in an appropriate dyeing medium, at least one cationic tertiary para-phenylenediamine containing a pyrrolidine ring, and at least one heterocyclic coupler chosen from azole-containing heterocyclic couplers, 2,3-diaminopyridines, 3-amino-5-hydroxypyridines, thiophenes, indolines, benzofurans, 8-amino-6-methoxyquinolines, 4-hydroxyquinolones, benzodioxoles and hydroxybenzamides.
2. The composition of Claim 1, in which the cationic tertiary para-phenylenediamine corresponds to formula I:



in which

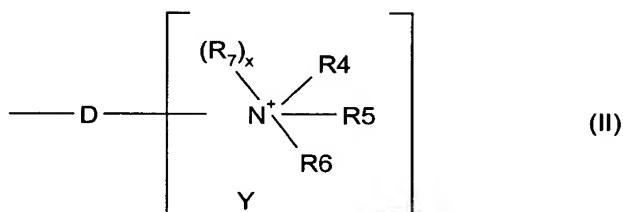
n varies from 0 to 4, it being understood that when n is greater than or equal to 2, then the radicals  $R_1$  may be identical or different,

$R_1$  represents a halogen atom; a saturated or unsaturated, aliphatic or alicyclic,  $C_1$ - $C_6$  hydrocarbon chain, it being possible for the chain to contain one or more oxygen, nitrogen, silicon or sulphur atoms or an  $SO_2$  group, and it being possible for the chain to be substituted with one or more hydroxyl or amino radicals; an onium radical Z, the radical  $R_1$  not containing a peroxide bond, or diazo, nitro or nitroso radicals,

$R_2$  represents an onium radical Z or a radical  $-X-C=NR_8-NR_9R_{10}$  in which X represents an oxygen atom or a radical  $-NR_{11}$  and  $R_8$ ,  $R_9$ ,  $R_{10}$  and  $R_{11}$  represent a hydrogen atom, a  $C_1$ - $C_4$  alkyl radical or a  $C_1$ - $C_4$  hydroxyalkyl radical,

R<sub>3</sub> represents a hydrogen atom or a hydroxyl radical.

3. The composition of Claim 2, in which the cationic tertiary para-phenylenediamine is such that n is equal to 0.
4. The composition of Claim 2, in which the cationic tertiary para-phenylenediamine is such that n is equal to 1 and R<sub>1</sub> is chosen from the group consisting of a halogen atom; a saturated or unsaturated, aliphatic or alicyclic, C<sub>1</sub>-C<sub>6</sub> hydrocarbon chain; it being possible for one or more carbon atoms to be replaced by an oxygen, nitrogen, silicon or sulphur atom, or by an SO<sub>2</sub> group, the radical R<sub>1</sub> not containing a peroxide bond, or diazo, nitro or nitroso radicals.
5. The composition of Claim 2, in which the cationic tertiary para-phenylenediamine is such that R<sub>1</sub> is chosen from chlorine, bromine, C<sub>1</sub>-C<sub>4</sub> alkyl, C<sub>1</sub>-C<sub>4</sub> hydroxyalkyl, C<sub>1</sub>-C<sub>4</sub> aminoalkyl, C<sub>1</sub>-C<sub>4</sub> alkoxy or C<sub>1</sub>-C<sub>4</sub> hydroxyalkoxy radicals.
6. The composition of Claim 5, in which the cationic tertiary para-phenylenediamine is such that R<sub>1</sub> is chosen from a methyl, hydroxymethyl, 2-hydroxyethyl, 1,2-dihydroxyethyl, methoxy, isopropoxy or 2-hydroxyethoxy radical.
7. The composition of Claim 2, in which the cationic tertiary para-phenylenediamine is such that R<sub>2</sub> represents the onium radical Z corresponding to formula (II)



in which

D is a single bond of a linear or branched C<sub>1</sub>-C<sub>14</sub> alkylene chain which may contain one or more heteroatoms chosen from oxygen, sulphur or nitrogen, and which may be substituted with one or more hydroxyl, C<sub>1</sub>-C<sub>6</sub> alkoxy or amino radicals and which may carry one or more ketone functional groups;

R<sub>4</sub>, R<sub>5</sub> and R<sub>6</sub>, taken separately, represent a C<sub>1</sub>-C<sub>15</sub> alkyl radical; a C<sub>1</sub>-C<sub>6</sub> monohydroxyalkyl radical; a C<sub>2</sub>-C<sub>6</sub> polyhydroxyalkyl radical; a (C<sub>1</sub>-C<sub>6</sub>)alkoxy(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; an aryl radical; a benzyl radical; a C<sub>1</sub>-C<sub>6</sub>

amidoalkyl radical; a tri(C<sub>1</sub>-C<sub>6</sub>)alkylsilane(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; a C<sub>1</sub>-C<sub>6</sub> aminoalkyl radical; a C<sub>1</sub>-C<sub>6</sub> aminoalkyl radical in which the amine is mono- or di-substituted with a C<sub>1</sub>-C<sub>4</sub> alkyl, (C<sub>1</sub>-C<sub>6</sub>)alkylcarbonyl, amido or (C<sub>1</sub>-C<sub>6</sub>)alkylsulphonyl radical; or

R<sub>4</sub>, R<sub>5</sub> and R<sub>6</sub> together, in pairs, form, with the nitrogen atom to which they are attached, a 4-, 5-, 6- or 7-membered saturated carbon ring which may contain one or more heteroatoms, it being possible for the cationic ring to be substituted with a halogen atom, a hydroxyl radical, a C<sub>1</sub>-C<sub>6</sub> alkyl radical, a C<sub>1</sub>-C<sub>6</sub> monohydroxyalkyl radical, a C<sub>2</sub>-C<sub>6</sub> polyhydroxy-alkyl radical, a C<sub>1</sub>-C<sub>6</sub> alkoxy radical, a tri(C<sub>1</sub>-C<sub>6</sub>)alkylsilane(C<sub>1</sub>-C<sub>6</sub>)alkyl radical, an amido radical, a carboxyl radical, a (C<sub>1</sub>-C<sub>6</sub>)alkylcarbonyl radical, a thio (-SH) radical, a C<sub>1</sub>-C<sub>6</sub> thioalkyl (-R-SH) radical, a (C<sub>1</sub>-C<sub>6</sub>)alkylthio radical, an amino radical, an amino radical which is mono- or di-substituted with a (C<sub>1</sub>-C<sub>6</sub>)alkyl, (C<sub>1</sub>-C<sub>6</sub>)alkylcarbonyl, amido or (C<sub>1</sub>-C<sub>6</sub>)alkylsulphonyl radical;

R<sub>7</sub> represents a C<sub>1</sub>-C<sub>6</sub> alkyl radical; a C<sub>1</sub>-C<sub>6</sub> monohydroxyalkyl radical; a C<sub>2</sub>-C<sub>6</sub> polyhydroxyalkyl radical; an aryl radical; a benzyl radical; a C<sub>1</sub>-C<sub>6</sub> aminoalkyl radical; a C<sub>1</sub>-C<sub>6</sub> aminoalkyl radical whose amine is mono- or di-substituted with a (C<sub>1</sub>-C<sub>6</sub>)alkyl, (C<sub>1</sub>-C<sub>6</sub>)alkylcarbonyl, amido or (C<sub>1</sub>-C<sub>6</sub>)alkylsulphonyl radical; a C<sub>1</sub>-C<sub>6</sub> carboxyalkyl radical; a C<sub>1</sub>-C<sub>6</sub> carbamyl-alkyl radical; a C<sub>1</sub>-C<sub>6</sub> trifluoroalkyl radical; a tri(C<sub>1</sub>-C<sub>6</sub>)alkylsilane(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; a C<sub>1</sub>-C<sub>6</sub> sulphonamidoalkyl radical; a (C<sub>1</sub>-C<sub>6</sub>)alkyl-carboxy(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; a (C<sub>1</sub>-C<sub>6</sub>)alkylsulphinyl(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; a (C<sub>1</sub>-C<sub>6</sub>)alkylsulphonyl(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; a (C<sub>1</sub>-C<sub>6</sub>)alkylcarbonyl(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; an N-(C<sub>1</sub>-C<sub>6</sub>)alkylcarbamyl(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; an N-(C<sub>1</sub>-C<sub>6</sub>)alkylsulphonamido(C<sub>1</sub>-C<sub>6</sub>)alkyl radical;

x is 0 or 1,

when x = 0, then the linking arm is attached to the nitrogen atom carrying the radicals R<sub>4</sub> to R<sub>6</sub>;

when x = 1, then two of the radicals R<sub>4</sub> to R<sub>6</sub> form, together with the nitrogen atom to which they are attached, a 4-, 5-, 6- or 7-

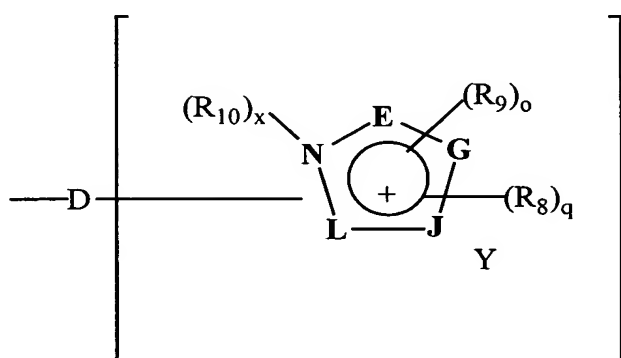
membered saturated ring and D is linked to the carbon atom of the saturated ring;

Y is a counter-ion.

8. The composition of Claim 7, in which the cationic tertiary para-phenylenediamine is such that R<sub>2</sub> corresponds to formula II in which x is equal to 0 and R<sub>4</sub>, R<sub>5</sub> and R<sub>6</sub> separately are preferably chosen from a C<sub>1</sub>-C<sub>6</sub> alkyl radical, a C<sub>1</sub>-C<sub>4</sub> monohydroxyalkyl radical, a C<sub>2</sub>-C<sub>4</sub> polyhydroxyalkyl radical, a (C<sub>1</sub>-C<sub>6</sub>)alkoxy(C<sub>1</sub>-C<sub>4</sub>)alkyl radical, a C<sub>1</sub>-C<sub>6</sub> amidoalkyl radical, a tri(C<sub>1</sub>-C<sub>6</sub>)alkylsilane(C<sub>1</sub>-C<sub>6</sub>)alkyl radical, or R<sub>4</sub> with R<sub>5</sub> form together an azetidine ring, a pyrrolidine, piperidine, piperazine or morpholine ring, R<sub>6</sub> being chosen in this case from a C<sub>1</sub>-C<sub>6</sub> alkyl radical; a C<sub>1</sub>-C<sub>6</sub> monohydroxyalkyl radical, a C<sub>2</sub>-C<sub>6</sub> polyhydroxyalkyl radical; a C<sub>1</sub>-C<sub>6</sub> aminoalkyl radical, an aminoalkyl radical which is mono- or di-substituted with a (C<sub>1</sub>-C<sub>6</sub>)alkyl radical, a (C<sub>1</sub>-C<sub>6</sub>)alkylcarbonyl, amido or (C<sub>1</sub>-C<sub>6</sub>)alkylsulphonyl radical; a C<sub>1</sub>-C<sub>6</sub> carbamylalkyl radical; a tri(C<sub>1</sub>-C<sub>6</sub>)alkylsilane(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; a (C<sub>1</sub>-C<sub>6</sub>)alkyl carboxy(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; a (C<sub>1</sub>-C<sub>6</sub>)alkylcarbonyl(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; an N-(C<sub>1</sub>-C<sub>6</sub>)alkylcarbamyl(C<sub>1</sub>-C<sub>6</sub>)alkyl radical.

9. The composition of Claim 7, in which the cationic tertiary para-phenylenediamine is such that R<sub>2</sub> corresponds to formula II in which x is equal to 1 and R<sub>7</sub> is chosen from a C<sub>1</sub>-C<sub>6</sub> alkyl radical; a C<sub>1</sub>-C<sub>6</sub> monohydroxyalkyl radical; a C<sub>2</sub>-C<sub>6</sub> polyhydroxy-alkyl radical; a C<sub>1</sub>-C<sub>6</sub> aminoalkyl radical, a C<sub>1</sub>-C<sub>6</sub> aminoalkyl radical whose amine is mono- or di-substituted with a (C<sub>1</sub>-C<sub>6</sub>)alkyl, (C<sub>1</sub>-C<sub>6</sub>)alkylcarbonyl, amido or a (C<sub>1</sub>-C<sub>6</sub>)alkylsulphonyl radical; a C<sub>1</sub>-C<sub>6</sub> carbamylalkyl radical, a tri(C<sub>1</sub>-C<sub>6</sub>)alkylsilane(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; a (C<sub>1</sub>-C<sub>6</sub>)alkylcarboxy(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; a (C<sub>1</sub>-C<sub>6</sub>)alkylcarbonyl(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; an N-(C<sub>1</sub>-C<sub>6</sub>)alkylcarbamyl(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; R<sub>4</sub> with R<sub>5</sub> together form an azetidine, pyrrolidine, piperidine, piperazine or morpholine ring, R<sub>6</sub> being chosen in this case from a C<sub>1</sub>-C<sub>6</sub> alkyl radical; a C<sub>1</sub>-C<sub>6</sub> monohydroxyalkyl radical; a C<sub>2</sub>-C<sub>6</sub> polyhydroxyl alkyl radical; a C<sub>1</sub>-C<sub>6</sub> aminoalkyl radical; a C<sub>1</sub>-C<sub>6</sub> aminoalkyl radical whose amine is mono- or di-substituted with a (C<sub>1</sub>-C<sub>6</sub>)alkyl, (C<sub>1</sub>-C<sub>6</sub>)alkylcarbonyl, amido or (C<sub>1</sub>-C<sub>6</sub>)alkylsulphonyl radical; a C<sub>1</sub>-C<sub>6</sub> carbamylalkyl radical; a tri(C<sub>1</sub>-C<sub>6</sub>)alkylsilane(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; a (C<sub>1</sub>-C<sub>6</sub>)alkylcarboxy(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; a (C<sub>1</sub>-C<sub>6</sub>)alkylcarbonyl(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; an N-(C<sub>1</sub>-C<sub>6</sub>)alkylcarbamyl(C<sub>1</sub>-C<sub>6</sub>)alkyl radical.

10. Composition according of Claim 7, in which the cationic tertiary para-phenylenediamine is such that D is a single bond or an alkylene chain which may be substituted.
11. The composition of Claim 7, in which the cationic tertiary para-phenylenediamine is such that R<sub>2</sub> is a trialkylammonium radical.
12. The composition of Claim 2, in which the cationic tertiary para-phenylenediamine is such that R<sub>2</sub> represents the onium radical Z corresponding to formula III



(III)

in which

D is a single bond or a linear or branched C<sub>1</sub>-C<sub>14</sub> alkylene chain which may contain one or more heteroatoms chosen from oxygen, sulphur or nitrogen, and which may be substituted with one or more hydroxyl, C<sub>1</sub>-C<sub>6</sub> alkoxy or amino radicals, and which may carry one or more ketone functional groups;

the vertices E, G, J, L, which are identical or different, represent a carbon, oxygen, sulphur or nitrogen atom to form a pyrrole, pyrazole, imidazole, triazole, oxazole, isooxazole, thiazole, isothiazole ring,

q is an integer between 0 and 4 inclusive;

is an integer between 0 and 3 inclusive;

q+o is an integer between 0 and 4;

the radicals  $R_8$ , which are identical or different, represent a halogen atom, a hydroxyl radical, a  $C_1$ - $C_6$  alkyl radical, a  $C_1$ - $C_6$  monohydroxyalkyl radical, a  $C_2$ - $C_6$  polyhydroxyalkyl radical, a  $C_1$ - $C_6$  alkoxy radical, a tri( $C_1$ - $C_6$ )alkylsilane( $C_1$ - $C_6$ )alkyl radical, an amido radical, a carboxyl radical, a  $C_1$ - $C_6$  alkylcarbonyl radical, a thio radical, a  $C_1$ - $C_6$  thioalkyl radical, a ( $C_1$ - $C_6$ )alkylthio radical, an amino radical, an amino radical which is mono- or di-substituted with a ( $C_1$ - $C_6$ )alkyl, ( $C_1$ - $C_6$ )alkylcarbonyl, amido or ( $C_1$ - $C_6$ )alkylsulphonyl radical; a  $C_1$ - $C_6$  monohydroxyalkyl radical or a  $C_2$ - $C_6$  polyhydroxyalkyl radical; it being understood that the radicals  $R_8$  are carried by a carbon atom,

the radicals  $R_9$ , which are identical or different, represent a  $C_1$ - $C_6$  alkyl radical, a  $C_1$ - $C_6$  monohydroxyalkyl radical, a  $C_2$ - $C_6$  polyhydroxyalkyl radical, a tri( $C_1$ - $C_6$ )alkylsilane( $C_1$ - $C_6$ )alkyl radical, a ( $C_1$ - $C_6$ )alkoxy( $C_1$ - $C_6$ )alkyl radical, a  $C_1$ - $C_6$  carbamylalkyl radical, a ( $C_1$ - $C_6$ )alkylcarboxy( $C_1$ - $C_6$ )alkyl radical, a benzyl radical; it being understood that the radicals  $R_9$  are carried by a nitrogen,

$R_{10}$  represents a  $C_1$ - $C_6$  alkyl radical; a  $C_1$ - $C_6$  monohydroxyalkyl radical; a  $C_2$ - $C_6$  polyhydroxyalkyl radical; an aryl radical; a benzyl radical; a  $C_1$ - $C_6$  aminoalkyl radical, a  $C_1$ - $C_6$  aminoalkyl radical whose amine is substituted with a ( $C_1$ - $C_6$ )alkyl, ( $C_1$ - $C_6$ )alkylcarbonyl, amido or ( $C_1$ - $C_6$ )alkylsulphonyl radical; a  $C_1$ - $C_6$  carboxyalkyl radical; a  $C_1$ - $C_6$  carbamylalkyl radical; a  $C_1$ - $C_6$  trifluoroalkyl radical; a tri( $C_1$ - $C_6$ )alkylsilane( $C_1$ - $C_6$ )alkyl radical; a  $C_1$ - $C_6$  sulphonamidoalkyl radical; a ( $C_1$ - $C_6$ )alkylcarboxy( $C_1$ - $C_6$ )alkyl radical; a ( $C_1$ - $C_6$ )alkylsulphonyl( $C_1$ - $C_6$ )alkyl radical; a ( $C_1$ - $C_6$ )alkylsulphonyl( $C_1$ - $C_6$ )alkyl radical; a ( $C_1$ - $C_6$ )alkylcarbonyl( $C_1$ - $C_6$ )alkyl radical; an N-( $C_1$ - $C_6$ )alkylcarbamyl( $C_1$ - $C_6$ )alkyl radical; an N-( $C_1$ - $C_6$ )alkylsulphonamido( $C_1$ - $C_6$ )alkyl radical;

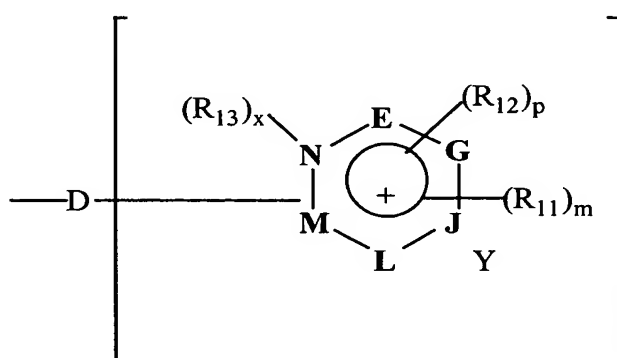
$x$  is 0 or 1

when  $x = 0$ , the linking arm D is attached to the nitrogen atom,

when  $x = 1$ , the linking arm D is attached to one of the vertices E, G, J or L,

Y is a counter-ion.

13. The composition of Claim 12, in which the cationic tertiary para-phenylenediamine is such that the vertices E, G, J and L form an imidazole ring.
14. The composition of Claim 12, in which the cationic tertiary para-phenylenediamine is such that x is equal to 0, D is a single bond or an alkylene chain which may be substituted.
15. The composition of Claim 2, in which the cationic tertiary para-phenylenediamine is such that R<sub>2</sub> represents an onium radical Z corresponding to formula IV



(IV)

in which:

D is a single bond or a linear or branched C<sub>1</sub>-C<sub>14</sub> alkylene chain which may contain one or more heteroatoms chosen from an oxygen, sulphur or nitrogen atom, and which may be substituted with one or more hydroxyl, C<sub>1</sub>-C<sub>6</sub> alkoxy or amino radicals, and which may carry one or more ketone functional groups;

the vertices E, G, J, L and M, which are identical or different, represent a carbon, oxygen, sulphur or nitrogen atom to form a ring chosen from the pyridine, pyrimidine, pyrazine, triazine and pyridazine rings;

p is an integer between 0 and 3 inclusive;

m is an integer between 0 and 5 inclusive;

p+m is an integer between 0 and 5;

the radicals  $R_{11}$ , which are identical or different, represent a halogen atom, a hydroxyl radical, a  $C_1$ - $C_6$  alkyl radical, a  $C_1$ - $C_6$  monohydroxyalkyl radical, a  $C_2$ - $C_6$  polyhydroxyalkyl radical, a  $C_1$ - $C_6$  alkoxy radical, a tri( $C_1$ - $C_6$ )alkylsilane( $C_1$ - $C_6$ )alkyl radical, an amido radical, a carboxyl radical, a  $C_1$ - $C_6$  alkylcarbonyl radical, a thio radical, a  $C_1$ - $C_6$  thioalkyl radical, a ( $C_1$ - $C_6$ )alkylthio radical, an amino radical, an amino radical which is substituted with a ( $C_1$ - $C_6$ )alkyl, ( $C_1$ - $C_6$ )alkylcarbonyl, amido or ( $C_1$ - $C_6$ )alkylsulphonyl radical; a  $C_1$ - $C_6$  monohydroxyalkyl radical or a  $C_2$ - $C_6$  polyhydroxyalkyl radical; it being understood that the radicals  $R_{11}$  are carried by a carbon atom,

the radicals  $R_{12}$ , which are identical or different, represent a  $C_1$ - $C_6$  alkyl radical, a  $C_1$ - $C_6$  monohydroxyalkyl radical, a  $C_2$ - $C_6$  polyhydroxyalkyl radical, a tri( $C_1$ - $C_6$ )alkylsilane( $C_1$ - $C_6$ )alkyl radical, a ( $C_1$ - $C_6$ )alkoxy( $C_1$ - $C_6$ )alkyl radical, a  $C_1$ - $C_6$  carbamylalkyl radical, a ( $C_1$ - $C_6$ )alkylcarboxy( $C_1$ - $C_6$ )alkyl radical, a benzyl radical; it being understood that the radicals  $R_{12}$  are carried by a nitrogen,

$R_{13}$  represents a  $C_1$ - $C_6$  alkyl radical; a  $C_1$ - $C_6$  monohydroxyalkyl radical; a  $C_2$ - $C_6$  polyhydroxyalkyl radical; an aryl radical; a benzyl radical; a  $C_1$ - $C_6$  aminoalkyl radical, a  $C_1$ - $C_6$  aminoalkyl radical whose amine is mono- or di-substituted with a ( $C_1$ - $C_6$ )alkyl, ( $C_1$ - $C_6$ )alkylcarbonyl, amido or ( $C_1$ - $C_6$ )alkylsulphonyl radical; a  $C_1$ - $C_6$  carboxyalkyl radical; a  $C_1$ - $C_6$  carbamylalkyl radical; a  $C_1$ - $C_6$  trifluoroalkyl radical; a tri( $C_1$ - $C_6$ )alkylsilane( $C_1$ - $C_6$ )alkyl radical; a  $C_1$ - $C_6$  sulphonamidoalkyl radical; a ( $C_1$ - $C_6$ )alkylcarboxy( $C_1$ - $C_6$ )alkyl radical; a ( $C_1$ - $C_6$ )alkylsulphonyl( $C_1$ - $C_6$ )alkyl radical; a ( $C_1$ - $C_6$ )alkylsulphonyl( $C_1$ - $C_6$ )alkyl radical; a ( $C_1$ - $C_6$ )alkylcarbonyl( $C_1$ - $C_6$ )alkyl radical; an N-( $C_1$ - $C_6$ )alkylcarbamyl( $C_1$ - $C_6$ )alkyl radical; an N-( $C_1$ - $C_6$ )alkylsulphonamido( $C_1$ - $C_6$ )alkyl radical;

x is 0 or 1

when  $x = 0$ , the linking arm D is attached to the nitrogen atom,

when  $x = 1$ , the linking arm D is attached to one of the vertices E, G, J, L or M,

Y is a counter-ion.



16. The composition of Claim 15, in which the vertices E, G, J, L and M form, with the nitrogen of the ring, a ring chosen from pyridine and pyrimidine rings.
17. The composition of Claim 15, in which the cationic tertiary para-phenylenediamine is such that x is equal to 0 and R<sub>11</sub> is chosen from a hydroxyl radical, a C<sub>1</sub>-C<sub>6</sub> alkyl radical, a C<sub>1</sub>-C<sub>6</sub> monohydroxyalkyl radical, a C<sub>2</sub>-C<sub>6</sub> polyhydroxyalkyl radical, a C<sub>1</sub>-C<sub>6</sub> alkoxy radical, a tri(C<sub>1</sub>-C<sub>6</sub>)alkylsilane(C<sub>1</sub>-C<sub>6</sub>)alkyl radical, an amido radical, a C<sub>1</sub>-C<sub>6</sub> alkylcarbonyl radical, an amino radical, an amino radical which is mono- or di-substituted with a (C<sub>1</sub>-C<sub>6</sub>)alkyl, a (C<sub>1</sub>-C<sub>6</sub>)alkylcarbonyl, amido or (C<sub>1</sub>-C<sub>6</sub>)alkylsulphonyl radical; a C<sub>1</sub>-C<sub>6</sub> monohydroxyalkyl radical or a C<sub>2</sub>-C<sub>6</sub> polyhydroxyalkyl radical and R<sub>12</sub> is chosen from a C<sub>1</sub>-C<sub>6</sub> alkyl radical, a C<sub>1</sub>-C<sub>6</sub> monohydroxyalkyl radical, a C<sub>2</sub>-C<sub>6</sub> polyhydroxyalkyl radical, a tri(C<sub>1</sub>-C<sub>6</sub>)alkylsilane(C<sub>1</sub>-C<sub>6</sub>)alkyl radical, a (C<sub>1</sub>-C<sub>6</sub>)alkoxy(C<sub>1</sub>-C<sub>6</sub>)alkyl radical, a C<sub>1</sub>-C<sub>6</sub> carbamylalkyl radical.
18. The composition of Claim 15, in which the cationic tertiary para-phenylenediamine is such that x is equal to 1 and R<sub>13</sub> is chosen from a C<sub>1</sub>-C<sub>6</sub> alkyl radical; a C<sub>1</sub>-C<sub>6</sub> monohydroxyalkyl radical; a C<sub>2</sub>-C<sub>6</sub> polyhydroxyalkyl radical; a C<sub>1</sub>-C<sub>6</sub> aminoalkyl radical, a C<sub>1</sub>-C<sub>6</sub> aminoalkyl radical whose amine is mono- or di-substituted with a (C<sub>1</sub>-C<sub>6</sub>)alkyl radical, a (C<sub>1</sub>-C<sub>6</sub>)alkylcarbonyl radical, an amido radical, a (C<sub>1</sub>-C<sub>6</sub>)alkylsulphonyl radical; a C<sub>1</sub>-C<sub>6</sub> carbamylalkyl radical; a tri(C<sub>1</sub>-C<sub>6</sub>)alkylsilane(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; a (C<sub>1</sub>-C<sub>6</sub>)alkylcarbonyl(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; an N-(C<sub>1</sub>-C<sub>6</sub>)alkylcarbamyl(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; R<sub>11</sub> is chosen from a hydroxyl radical, a C<sub>1</sub>-C<sub>6</sub> alkyl radical, a C<sub>1</sub>-C<sub>6</sub> monohydroxyalkyl radical, a C<sub>2</sub>-C<sub>6</sub> polyhydroxyalkyl radical, a C<sub>1</sub>-C<sub>6</sub> alkoxy radical, a tri(C<sub>1</sub>-C<sub>6</sub>)alkylsilane(C<sub>1</sub>-C<sub>6</sub>)alkyl radical, an amido radical, a C<sub>1</sub>-C<sub>6</sub> alkylcarbonyl radical, an amino radical, an amino radical which is mono- or di-substituted with a (C<sub>1</sub>-C<sub>6</sub>)alkyl, (C<sub>1</sub>-C<sub>6</sub>)alkylcarbonyl, amido or (C<sub>1</sub>-C<sub>6</sub>)alkylsulphonyl radical; and R<sub>12</sub> is chosen from a C<sub>1</sub>-C<sub>6</sub> alkyl radical, a C<sub>1</sub>-C<sub>6</sub> monohydroxyalkyl radical, a C<sub>2</sub>-C<sub>6</sub> polyhydroxyalkyl radical, a tri(C<sub>1</sub>-C<sub>6</sub>)alkylsilane(C<sub>1</sub>-C<sub>6</sub>)alkyl radical, a (C<sub>1</sub>-C<sub>6</sub>)alkoxy(C<sub>1</sub>-C<sub>6</sub>)alkyl radical, a C<sub>1</sub>-C<sub>6</sub> carbamylalkyl radical.
19. The composition of Claim 15, in which the cationic tertiary para-phenylenediamine is such that R<sub>11</sub>, R<sub>12</sub> and R<sub>13</sub> are alkyl radicals which may be substituted.
20. The composition of Claim 2, in which the cationic tertiary para-phenylenediamine is such that the radical R<sub>2</sub> is the radical of formula -XP(O)(O-)OCH<sub>2</sub>CH<sub>2</sub>N<sup>+</sup>(CH<sub>3</sub>)<sub>3</sub> where

X represents an oxygen atom or a radical  $-NR_{14}$ ,  $R_{14}$  representing a hydrogen, a  $C_1$ - $C_4$  alkyl radical or a hydroxyalkyl radical.

21. The composition of Claim 2, in which the cationic tertiary para-phenylenediamine is such that  $R_2$  is a guanidine radical of formula  $-X-C=NR_8-NR_9R_{10}$ , X represents an oxygen atom or a radical  $-NR_{11}$ ,  $R_8$ ,  $R_9$ ,  $R_{10}$  and  $R_{11}$  representing a hydrogen, a  $C_1$ - $C_4$  alkyl radical or a hydroxyalkyl radical.

22. The composition of Claim 1, in which the cationic tertiary para-phenylene is chosen from the group consisting of

[1-(4-Aminophenyl)pyrrolidin-3-yl]trimethylammonium chloride,

[1-(4-Aminophenyl)pyrrolidin-3-yl]dimethyltetradecylammonium bromide

N'-[1-(4-Aminophenyl)pyrrolidin-3-yl]-N,N-dimethyl- guanidinium chloride

N-[1-(4-Aminophenyl)pyrrolidin-3-yl] guanidinium chloride

3-[1-(4-Aminophenyl)pyrrolidin-3-yl]-1-methyl-3H-imidazol-1-ium chloride

[1-(4-Aminophenyl)pyrrolidin-3-yl]-(2-hydroxyethyl)dimethylammonium chloride

[1-(4-Aminophenyl)pyrrolidin-3-yl]dimethyl-(3-trimethylsilanylpropyl)ammonium chloride

[1-(4-Aminophenyl)pyrrolidin-3-yl]-(trimethylammonium-hexyl)dimethylammonium dichloride

[1-(4-Aminophenyl)pyrrolidin-3-yl]oxophosphorylcholine

{2-[1-(4-Aminophenyl)pyrrolidin-3-yloxy]ethyl}trimethylammonium chloride

1-{2-[1-(4-Aminophenyl)pyrrolidin-3-yloxy]ethyl}-1-methylpyrrolidinium chloride

3-{3-[1-(4-Aminophenyl)pyrrolidin-3-yloxy]propyl}-1-methyl-3H-imidazol-1-ium chloride

1-{2-[1-(4-Aminophenyl)pyrrolidin-3-yloxy]ethyl}-1-methylpiperidinium chloride

3-{3-[1-(5-trimethylsilanylethyl-4-Amino-3-trimethylsilanylethylphenyl)pyrrolidin-3-yloxy]propyl}-1-methyl-3H-imidazol-1-um chloride

[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]trimethyammonium chloride

[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]dimethyltetradecylammonium chloride

N'-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]-N,N-dimethyl guanidinium chloride

N-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl] guanidinium chloride

3-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]-1-methyl-3H-imidazol-1-ium chloride

[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]-(2-hydroxyethyl)dimethylammonium chloride

[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]dimethyl-(3-trimethylsilanylpropylammonium chloride

[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]-(trimethylammoniumhexyl-dimethylammonium dichloride

[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]oxophosphorylcholine

{2-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yloxy]ethyl} trimethylammonium chloride

1-{2-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yloxy]ethyl}-1-methylpyrrolidinium chloride

3-{3-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yloxy]-propyl} 1-methyl-3H-imidazol-1-um chloride

1-{2-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yloxy]ethyl}-1-methylpiperidinium chloride

[1-(4-Amino-3-trimethylsilanylethylphenyl)pyrrolidin-3-yl]trimethylammonium chloride

3-[1-(4-Amino-3-trimethylsilanylethylphenyl)pyrrolidin-3-yl]-1-methyl-3H-imidazol-1-ium chloride

3-{3-[1-(4-Amino-3-trimethylsilanylethylphenyl)pyrrolidin-3-yloxy]propyl}-1-methyl-3H-imidazol-1-um chloride

[1-(5-trimethylsilanylethyl-4-Amino-3-trimethylsilanylethylphenyl)pyrrolidin-3-yl]trimethylammonium chloride

3-[1-(5-trimethylsilanylethyl-4-Amino-3-trimethylsilanylethylphenyl)pyrrolidin-3-yl]-1-methyl-3H-imidazol-1-ium chloride

1'-(4-Aminophenyl)-1-methyl-[1,3']bipyrrolidinyl-1-ium chloride

1'-(4-Amino-3-methylphenyl)-1-methyl-[1,3']bipyrrolidinyl-1-ium chloride

3-{[1-(4-Aminophenyl)pyrrolidin-3-ylcarbamoyl]methyl}-1-methyl-3H-imidazol-1-ium chloride

3-{[1-(4-Amino-3-methylphenyl)pyrrolidin-3-ylcarbamoyl]methyl}-1-methyl-3H-imidazol-1-ium chloride

3-[1-(4-Aminophenyl)pyrrolidin-3-yl]-1-(3-trimethylsilanylpropyl)-3H-imidazol-1-ium chloride

3-[1-(4-Aminophenyl)pyrrolidin-3-yl]-1-(3-trimethylsilanylpropyl)-3H-imidazol-1-ium chloride

[1-(4-aminophenyl)pyrrolidin-3-yl]ethyltrimethylammonium chloride

[1-(4-aminophenyl)pyrrolidin-3-yl]ethyltrimethylammonium iodide

[1-(4-aminophenyl)pyrrolidin-3-yl]propyltrimethylammonium iodide,

[1-(4-aminophenyl)pyrrolidin-3-yl]propyltrimethylammonium bromide

[1-(4-aminophenyl)pyrrolidin-3-yl]propyltrimethylammonium methosulphate

[1-(4-aminophenyl)pyrrolidin-3-yl]butyltrimethylammonium iodide

[1-(4-aminophenyl)pyrrolidin-3-yl]pentyltrimethylammonium iodide

[1-(4-aminophenyl)pyrrolidin-3-yl]hexyltrimethylammonium iodide

[1-(4-aminophenyl)pyrrolidin-3-yl]heptyltrimethylammonium iodide

[1-(4-Aminophenyl)pyrrolidin-3-yl]octyltrimethylammonium iodide

[1-(4-aminophenyl)pyrrolidin-3-yl]decyltrimethylammonium iodide

[1-(4-aminophenyl)pyrrolidin-3-yl]hexadecyltrimethylammonium iodide

[1-(4-aminophenyl)pyrrolidin-3-yl]hydroxyethyltrimethylammonium chloride

[1-(4-aminophenyl)pyrrolidin-3-yl]hydroxyethyltrimethylammonium iodide.

23. The composition of Claim 1, in which the cationic tertiary para-phenylene is chosen from the group consisting of

[1-(4-Aminophenyl)pyrrolidin-3-yl]trimethylammonium chloride;

[1-(4-Aminophenyl)pyrrolidin-3-yl]dimethyltetradecylammonium bromide;

N'-[1-(4-Aminophenyl)pyrrolidin-3-yl]-N,N-dimethyl guanidinium chloride

N-[1-(4-Aminophenyl)pyrrolidin-3-yl] guanidinium chloride

3-[1-(4-Aminophenyl)pyrrolidin-3-yl]-1-methyl-3H-imidazol-1-ium chloride;

[1-(4-Aminophenyl)pyrrolidin-3-yl](2-hydroxyethyl)dimethylammonium chloride

[1-(4-Aminophenyl)pyrrolidin-3-yl]dimethyl-(3-trimethylsilylpropyl)ammonium chloride;

[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]trimethylammonium chloride

[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]dimethyltetradecylammonium chloride

N'-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]-N,N-dimethyl guanidinium chloride

N-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl] guanidinium chloride

3-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]-1-methyl-3H-imidazol-1-ium chloride

[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]-(2-hydroxyethyl)dimethylammonium chloride

[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]dimethyl-(3-trimethylsilylpropyl)ammonium chloride

1'-(4-Aminophenyl)-1-methyl-[1,3']bipyrrolidinyl-1-ium chloride

1'-(4-Amino-3-methylphenyl)-1-methyl-[1,3']bipyrrolidinyl-1-ium chloride

3-{[1-(4-Aminophenyl)pyrrolidin-3-ylcarbamoyl]methyl}-1-methyl-3H-imidazol-1-ium chloride

3-{[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]carbamoyl}methyl}-1-methyl-3H-imidazol-1-ium chloride

3-[1-(4-Aminophenyl)pyrrolidin-3-yl]-1-(3-trimethylsilanylpropyl)-3H-imidazol-1-ium chloride

3-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]-1-(3-trimethylsilanyl-propyl)-3H-imidazol-1-ium chloride

[1-(4-aminophenyl)pyrrolidin-3-yl]ethyltrimethylammonium chloride

[1-(4-aminophenyl)pyrrolidin-3-yl]ethyltrimethylammonium iodide

[1-(4-Aminophenyl)pyrrolidin-3-yl]propyltrimethylammonium iodide,

[1-(4-aminophenyl)pyrrolidin-3-yl]propyltrimethylammonium bromide

[1-(4-aminophenyl)pyrrolidin-3-yl]propyltrimethylammonium methosulphate

[1-(4-aminophenyl)pyrrolidin-3-yl]butyltrimethylammonium iodide

[1-(4-aminophenyl)pyrrolidin-3-yl]pentyltrimethylammonium iodide

[1-(4-aminophenyl)pyrrolidin-3-yl]hexyltrimethylammonium iodide

[1-(4-aminophenyl)pyrrolidin-3-yl]heptyltrimethylammonium iodide

[1-(4-aminophenyl)pyrrolidin-3-yl]octyltrimethylammonium iodide

[1-(4-aminophenyl)pyrrolidin-3-yl]decyltrimethylammonium iodide

[1-(4-aminophenyl)pyrrolidin-3-yl]hexadecyltrimethylammonium iodide

[1-(4-aminophenyl)pyrrolidin-3-yl]hydroxyethyltrimethylammonium chloride

[1-(4-aminophenyl)pyrrolidin-3-yl]hydroxyethyltrimethylammonium iodide.

24. The composition of Claim 1, in which the cationic tertiary para-phenylene is chosen from the group consisting of [1-(4-Aminophenyl)pyrrolidin-3-yl]trimethylammonium chloride

[1-(4-Aminophenyl)pyrrolidin-3-yl]dimethyltetradecylammonium bromide

N'-[1-(4-Aminophenyl)pyrrolidin-3-yl]-N,N-dimethyl guanidinium chloride

N-[1-(4-Aminophenyl)pyrrolidin-3-yl] guanidinium chloride

3-[1-(4-Aminophenyl)pyrrolidin-3-yl]-1-methyl-3H-imidazol-1-ium chloride

[1-(4-Aminophenyl)pyrrolidin-3-yl]-(2-hydroxyethyl)dimethylammonium chloride

[1-(4-Aminophenyl)pyrrolidin-3-yl]dimethyl-(3-trimethylsilanylpropyl)ammonium chloride

[1-(4-Aminophenyl)pyrrolidin-3-yl]-(trimethylammonium-hexyl)dimethylammonium dichloride

1'-(4-Aminophenyl)-1-methyl-[1,3']bipyrrolidinyl-1-ium chloride

3-[1-(4-Aminophenyl)pyrrolidin-3-yl]-1-(3-trimethylsilanylpropyl)-3H-imidazol-1-ium chloride

3-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]-1-(3-trimethylsilanylpropyl)-3H-imidazol-1-ium chloride

[1-(4-aminophenyl)pyrrolidin-3-yl]ethyl dimethylammonium chloride

[1-(4-aminophenyl)pyrrolidin-3-yl]ethyl dimethylammonium iodide

[1-(4-aminophenyl)pyrrolidin-3-yl]propyl dimethylammonium iodide,

[1-(4-aminophenyl)pyrrolidin-3-yl]propyl dimethylammonium bromide

[1-(4-aminophenyl)pyrrolidin-3-yl]propyl dimethylammonium methosulphate

[1-(4-aminophenyl)pyrrolidin-3-yl]butyl dimethylammonium iodide

[1-(4-aminophenyl)pyrrolidin-3-yl]pentyl dimethylammonium iodide

[1-(4-aminophenyl)pyrrolidin-3-yl]hexyl dimethylammonium iodide

[1-(4-aminophenyl)pyrrolidin-3-yl]heptyl dimethylammonium iodide

[1-(4-aminophenyl)pyrrolidin-3-yl]octyl dimethylammonium iodide

[1-(4-aminophenyl)pyrrolidin-3-yl]decyl dimethylammonium iodide

[1-(4-aminophenyl)pyrrolidin-3-yl]hexadecyl dimethylammonium iodide

[1-(4-aminophenyl)pyrrolidin-3-yl]hydroxyethyl dimethylammonium chloride

[1-(4-aminophenyl)pyrrolidin-3-yl]hydroxyethyl dimethylammonium iodide.

25. The composition of Claim 1, in which the cationic tertiary para-phenylene is chosen from the group consisting of

[1-(4-Aminophenyl)pyrrolidin-3-yl]trimethylammonium chloride

3-[1-(4-Aminophenyl)pyrrolidin-3-yl]-1-methyl-3H-imidazol-1-ium chloride

[1-(4-Aminophenyl)pyrrolidin-3-yl]-(2-hydroxyethyl)dimethylammonium chloride

1'-(4-Aminophenyl)-1-methyl-[1,3']bipyrrolidinyl-1-ium chloride.

26. The composition of Claim 1, in which the cationic tertiary para-phenylene is chosen from the group consisting of

[1-(4-Aminophenyl)pyrrolidin-3-yl]trimethylammonium chloride, and [1-(4-Aminophenyl)pyrrolidin-3-yl]-(2-hydroxyethyl)dimethylammonium chloride.

27. The composition of Claim 1, in which the heterocyclic coupler is an azole-containing heterocyclic coupler.

28. The composition of Claim 27, in which the azole-containing heterocyclic coupler is a carbazole preferably chosen from 1,3,6,8-tetraaminocarbazole, 1,3,6,8-tetraamino-9-n-propylcarbazole, 1,3,6,8-tetraamino-9- $\beta$ -hydroxyethylcarbazole, 1,3,6,8-tetraamino-9-(2'-N,N-dimethylaminoethyl)carbazole and 3-aminocarbazole.

29. The composition of Claim 27, in which the azole-containing heterocyclic coupler is a hydroxyindazole, preferably chosen from 4-hydroxyindazole, 5-hydroxyindazole, 6-hydroxyindazole, 7-hydroxyindazole, 7-hydroxy-1-methylindazole, 4-hydroxy-6-methylindazole, 7-hydroxy-6-methylindazole, 7-hydroxy-4,6-dimethylindazole, 6-hydroxy-7-bromoindazole, 6-hydroxy-7-chloroindazole, 6-hydroxy-5,7-dichloroindazole.

30. The composition of Claim 27, in which the azole-containing heterocyclic coupler is a benzoxazole, preferably chosen from 5,7-diaminobenzoxazole, 5,7-diamino-2-methylbenzoxazole, 5,7-diamino-2-ethylbenzoxazole, 5,7-diamino-2-butylbenzoxazole, 5-dimethylamino-7-aminobenzoxazole, 5-amino-7-diethylaminobenzoxazole, 4,6-diaminobenzoxazole.

31. The composition of Claim 27, in which the azole-containing heterocyclic coupler is a pyrazolo-azole preferably chosen from pyrazolo[1,5-b][1,2,4]triazoles such as 2-methylpyrazolo[1,5-b][1,2,4]triazole, 2-ethylpyrazolo[1,5-b][1,2,4]triazole, 2-isopropylpyrazolo[1,5-b][1,2,4]triazole, 2-phenylpyrazolo[1,5-b][1,2,4]triazole, 2,6-dimethylpyrazolo[1,5-b][1,2,4]triazole, 6-methyl-2-ethylpyrazolo[1,5-b][1,2,4]triazole, 6-



methyl-2-isopropylpyrazolo[1,5-b][1,2,4]triazole, 6-methyl-2-phenylpyrazolo[1,5-b][1,2,4]triazole, 6-carboxy-2-methylpyrazolo[1,5-b][1,2,4]triazole, 6-carboxy-2-ethylpyrazolo[1,5-b][1,2,4]triazole, 6-carboxy-2-isopropylpyrazolo[1,5-b][1,2,4]triazole, 6-carboxy-2-phenylpyrazolo[1,5-b][1,2,4]triazole, 6-phenyl-2-methylpyrazolo[1,5-b][1,2,4]triazole, 6-phenyl-2-ethylpyrazolo[1,5-b][1,2,4]triazole, 6-phenyl-2-isopropylpyrazolo[1,5-b][1,2,4]triazole, 6-phenyl-2-phenylpyrazolo[1,5-b][1,2,4]triazole, 6-amino-2-methylpyrazolo[1,5-b][1,2,4]triazole, 6-amino-2-ethylpyrazolo[1,5-b][1,2,4]triazole, 6-amino-2-isopropylpyrazolo[1,5-b][1,2,4]triazole, 6-amino-2-phenylpyrazolo[1,5-b][1,2,4]triazole, 6-ethylthio-2-methylpyrazolo[1,5-b][1,2,4]triazole, 6-ethylthio-2-ethylpyrazolo[1,5-b][1,2,4]triazole, 6-ethylthio-2-isopropylpyrazolo[1,5-b][1,2,4]triazole, 6-ethylthio-2-phenylpyrazolo[1,5-b][1,2,4]triazole, 6-ethoxy-2-methylpyrazolo[1,5-b][1,2,4]triazole, 6-ethoxy-2-ethylpyrazolo[1,5-b][1,2,4]triazole, 6-ethoxy-2-isopropylpyrazolo[1,5-b][1,2,4]triazole, 6-ethoxy-2-phenylpyrazolo[1,5-b][1,2,4]triazole, 6-methyl-2-(2'-aminoethyl)pyrazolo[1,5-b][1,2,4]triazole, 6-carboxy-2-(2'-aminoethyl)pyrazolo[1,5-b][1,2,4]triazole, 6-phenyl-2-(2'-aminoethyl)pyrazolo[1,5-b][1,2,4]triazole, 6-ethylthio-2-(2'-aminoethyl)pyrazolo[1,5-b][1,2,4]triazole, 2-(2'-aminoethyl)pyrazolo[1,5-b][1,2,4]triazole, 2-(2'-hydroxyethyl)pyrazolo[1,5-b][1,2,4]triazole, 6-methyl-2-(2'-hydroxyethyl)pyrazolo[1,5-b][1,2,4]triazole, 6-ethylthio-2-(2'-hydroxyethyl)pyrazolo[1,5-b][1,2,4]triazole, 6-carboxy-2-(2'-hydroxyethyl)pyrazolo[1,5-b][1,2,4]triazole, 6-phenyl-2-(2'-hydroxyethyl)pyrazolo[1,5-b][1,2,4]triazole, 7-chloro-2,6-dimethylpyrazolo[1,5-b][1,2,4]triazole, 7-bromo-2,6-dimethylpyrazolo[1,5-b][1,2,4]triazole and their addition salts with an acid, the pyrazolo[3,2-c][1,2,4]triazoles such as 3-methylpyrazolo[3,2-c][1,2,4]triazole, 3-methylsulphinyl-6-phenylpyrazolo[3,2-c][1,2,4]triazole, 3-ethylpyrazolo[3,2-c][1,2,4]triazole, 3-isopropylpyrazolo[3,2-c][1,2,4]triazole, 3-phenylpyrazolo[3,2-c][1,2,4]triazole, 3-(2'-aminoethyl)pyrazolo[3,2-c][1,2,4]triazole, 3-(2'-hydroxyethyl)pyrazolo[3,2-c][1,2,4]triazole, 6-methyl-3-ethylpyrazolo[3,2-c][1,2,4]triazole, 3,6-dimethylpyrazolo[3,2-c][1,2,4]triazole, 6-methyl-3-isopropylpyrazolo[3,2-c][1,2,4]triazole, 6-methyl-3-phenylpyrazolo[3,2-c][1,2,4]triazole, 6-methyl-3-(2'-aminoethyl)pyrazolo[3,2-c][1,2,4]triazole, 6-methyl-3-(2'-hydroxyethyl)pyrazolo[3,2-c][1,2,4]triazole, 6-methyl-3-methylthiopyrazolo[3,2-c][1,2,4]triazole, 6-phenyl-3-methylpyrazolo[3,2-c][1,2,4]triazole, 6-phenyl-3-ethyl-

pyrazolo[3,2-c][1,2,4]triazole, 6-isopropyl-3-ethylpyrazolo[3,2-c][1,2,4]triazole, 6-phenyl-3-isopropylpyrazolo[3,2-c][1,2,4]triazole, 6-phenyl-3-phenylpyrazolo[3,2-c][1,2,4]triazole, 6-phenyl-3-(2'-aminoethyl)pyrazolo[3,2-c][1,2,4]triazole, 6-phenyl-3-(2'-hydroxyethyl)pyrazolo[3,2-c][1,2,4]triazole, 6-phenyl-3-methylthiopyrazolo[3,2-c][1,2,4]triazole, 6-ethylthio-3-methylpyrazolo[3,2-c][1,2,4]triazole, 6-ethylthio-3-ethylpyrazolo[3,2-c][1,2,4]triazole, 6-ethylthio-3-isopropylpyrazolo[3,2-c][1,2,4]triazole, 6-ethylthio-3-phenylpyrazolo[3,2-c][1,2,4]triazole, 6-ethylthio-3-(2'-aminoethyl)pyrazolo[3,2-c][1,2,4]triazole, 6-ethylthio-3-(2'-hydroxyethyl)pyrazolo[3,2-c][1,2,4]triazole, 6-trifluoromethyl-3-methylthiopyrazolo[3,2-c][1,2,4]triazole, 6-trifluoromethylpyrazolo[3,2-c][1,2,4]triazole, / 6-carboxy-3-methylpyrazolo[3,2-c][1,2,4]triazole, 6-carboxy-3-ethylpyrazolo[3,2-c][1,2,4]triazole, 6-carboxy-3-isopropylpyrazolo[3,2-c][1,2,4]triazole, 6-carboxy-3-phenylpyrazolo[3,2-c][1,2,4]triazole, 6-carboxy-3-(2'-aminoethyl)pyrazolo[3,2-c][1,2,4]triazole, 6-carboxy-3-(2'-hydroxyethyl)pyrazolo[3,2-c][1,2,4]triazole, 7-chloro-3,6-dimethylpyrazolo[3,2-c][1,2,4]triazole, 7-methoxycarbonyl-3,6-dimethylpyrazolo[3,2-c][1,2,4]triazole and their addition salts with an acid, pyrazolo-tetrazoles such as pyrazolo[5,1-e]tetrazole, 6-methylpyrazolo[5,1-e]tetrazole, 6-phenylpyrazolo[5,1-e]tetrazole, 6-carboxypyrazolo[5,1-e]tetrazole, 7-chloro-6-methylpyrazolo[5,1-e]tetrazole and their addition salts with an acid, pyrazolo[1,5-a]imidazoles such as pyrazolo[1,5-a]imidazoles are chosen from pyrazolo[1,5-a]imidazole, 2-methylpyrazolo[1,5-a]imidazole, 2-phenylpyrazolo[1,5-a]imidazole, pyrazolo[1,5-a]benzimidazole, 6-methylpyrazolo[1,5-a]imidazole, 2,6-dimethylpyrazolo[1,5-a]imidazole, 6-methyl-2-phenylpyrazolo[1,5-a]imidazole, 6-methylpyrazolo[1,5-a]benzimidazole, 6-phenylpyrazolo[1,5-a]imidazole, 6-phenyl-2-methylpyrazolo[1,5-a]imidazole, 2,6-diphenylpyrazolo[1,5-a]imidazole, 6-phenylpyrazolo[1,5-a]benzimidazole, 6-carboxypyrazolo[1,5-a]imidazole, 6-carboxy-2-methylpyrazolo[1,5-a]imidazole, 6-carboxy-2-phenylpyrazolo[1,5-a]imidazole, 6-carboxypyrazolo[1,5-a]benzimidazole, 6-ethoxypyrazolo[1,5-a]imidazole, 6-ethoxy-2-methylpyrazolo[1,5-a]imidazole, 6-ethoxy-2-phenylpyrazolo[1,5-a]imidazole, 6-trifluoromethylpyrazolo[1,5-a]benzimidazole, 6-aminopyrazolo[1,5-a]imidazole, 6-amino-2-methylpyrazolo[1,5-a]imidazole, 6-amino-2-phenylpyrazolo[1,5-a]imidazole, 6-aminopyrazolo[1,5-a]benzimidazole, 6-ethylthiopyrazolo[1,5-a]imidazole, 6-ethylthio-2-methylpyrazolo[1,5-

a]imidazole, 6-ethylthio-2-phenylpyrazolo[1,5-a]imidazole, 7-chloro-6-methylpyrazolo[1,5-a]imidazole, 7-chloro-6-methylpyrazolo[1,5-a]benzimidazole and their addition salts with an acid, pyrazolo[1,5-e]pyrazoles such as 8-amino-4-methylpyrazolo[5,1-e]pyrazole, 8-amino-5-chloro-4-methylpyrazolo[5,1-e]pyrazole and their addition salts with an acid, pyrazolo[5,1-e][1,2,3]triazoles such as 5-methylpyrazolo[5,1-e][1,2,3]triazole, 5-methyl-6-chloropyrazolo[5,1-e][1,2,3]triazole, 5-phenylpyrazolo[5,1-e][1,2,3]triazole and their salts with an acid.

32. The composition of Claim 31, in which the pyrazolo-azole is a pyrazolo-triazole.

33. The composition of Claim 27, such that the heterocyclic coupler is a pyrrolo-azole preferably chosen from pyrrolo[1,2-b][1,2,4]triazoles such as 3,4-dicyano-8-methylpyrrolo[1,2-b][1,2,4]triazole, 3,4-dicyano-8-phenylpyrrolo[1,2-b][1,2,4]triazole, 3,4-dicyano-8-tertbutylpyrrolo[1,2-b][1,2,4]triazole, 5-chloro-3,4-dicyano-8-methylpyrrolo[1,2-b][1,2,4]triazole as well as 5-cyano-4-ethoxycarbonyl-8-methylpyrrolo[1,2-b][1,2,4]triazole, 5-cyano-4-carboxy-8-methylpyrrolo[1,2-b][1,2,4]triazole, 4,5-dicyano-8-methylpyrrolo[1,2-b][1,2,4]triazole, 5-cyano-8-methyl-4-phenylpyrrolo[1,2-b][1,2,4]triazole, 4,8-dimethylpyrrolo[1,2-b][1,2,4]triazole, 4,5-di(ethoxycarbonyl)-8-methylpyrrolo[1,2-b][1,2,4]triazole, 3-chloro-5-cyano-4-ethoxycarbonyl-8-methylpyrrolo[1,2-b][1,2,4]triazole, 5-cyano-4-ethoxycarbonyl-8-phenylpyrrolo[1,2-b][1,2,4]triazole, 5-cyano-4-carboxy-8-phenylpyrrolo[1,2-b][1,2,4]triazole, 4,5-dicyano-8-phenylpyrrolo[1,2-b][1,2,4]triazole, 4,5-di(ethoxycarbonyl)-8-phenylpyrrolo[1,2-b][1,2,4]triazole, 3-chloro-5-cyano-4-ethoxycarbonyl-8-phenylpyrrolo[1,2-b][1,2,4]triazole, 4-cyano-5-carboxy-8-(2-nitro-5-hydroxyphenyl)pyrrolo[1,2-b][1,2,4]triazole and their addition salts with an acid, pyrrolo[2,1-c][1,2,4]triazoles such as 5,6-dicyano-3-methylpyrrolo[2,1-c][1,2,4]triazole, 7-chloro-5,6-dicyano-3-methylpyrrolo[2,1-c][1,2,4]triazole such as 6,7-dicyano-3-methylpyrrolo[2,1-c][1,2,4]triazole, 5-chloro-6,7-dicyano-3-methylpyrrolo[2,1-c][1,2,4]triazole, 6,7-di(ethoxycarbonyl)-3-methylpyrrolo[2,1-c][1,2,4]triazole, 7-cyano-3-methyl-6-phenylpyrrolo-[2,1-c][1,2,4]triazole, 7-cyano-3-methyl-6-tertbutylpyrrolo[2,1-c][1,2,4]triazole and their addition salts with an acid, pyrrolo[1,2-c]imidazoles such as 6,8-dicyano-5-ethoxycarbonylpyrrolo[1,2-c]imidazole, 4-chloro-6,8-dicyano-5-

ethoxycarbonylpyrrolo[1,2-c]imidazole and their addition salts with an acid, pyrrolo[1,2-e]tetrazoles such as 6,7-dicyanopyrrolo[1,2-e]tetrazole, 6-cyano-7-ethoxycarbonylpyrrolo[1,2-e]tetrazole, 5-chloro-6,7-dicyanopyrrolo[1,2-e]tetrazole and their addition salts with an acid, pyrrolo[1,2-a]imidazoles such as 2,3,7-tricyano-6-methylpyrrolo[1,2-a]imidazole, 2,3,7-tricyano-6-trifluoromethylpyrrolo[1,2-a]imidazole, 2,3,7-tricyano-6-tertbutylpyrrolo[1,2-a]imidazole, 2,3,7-tricyano-6-phenylpyrrolo[1,2-a]imidazole, 2,3,7-tricyano-6-ethoxycarbonylpyrrolo[1,2-a]imidazole, 5-chloro-2,3,7-tricyano-6-tertbutyl pyrrolo[1,2-a]imidazole, 5-chloro-2,3,7-tricyano-6-phenylpyrrolo[1,2-a]imidazole, 7-cyano-6-ethoxycarbonylpyrrolo[1,2-a]benzimidazole, 7-cyano-6-phenylpyrrolo[1,2-a]benzimidazole, 7-amido-6-ethoxycarbonylpyrrolo[1,2-a]benzimidazole and their addition salts with an acid, pyrrolo[1,2-c][1,2,3]triazoles such as 5,6,8 tricyanopyrrolo[1,2-c][1,2,3]triazole, 5,8-dicyano-6-ethoxycarbonylpyrrolo[1,2-c][1,2,3]triazole, 4-chloro-5,8-dicyano-6-ethoxycarbonylpyrrolo[1,2-c][1,2,3]triazole and their addition salts with an acid.

34. The composition of Claim 27, in which the azole-containing heterocyclic coupler is an imidazolo-azole preferably chosen from imidazolo[3,2-a]imidazoles such as 7,8-dicyanoimidazolo[3,2-a]imidazole, 7,8-dicyano-4-methylimidazolo[3,2-a]imidazole, 7,8-dicyano-4-ethylimidazolo[3,2-a]imidazole, 7,8-dicyano-4-isopropylimidazolo[3,2-a]imidazole, 7,8-dicyano-4-phenylimidazolo[3,2-a]imidazole, 5-chloro-7,8-dicyano-4-methylimidazolo[3,2-a]imidazole, 7,8-dicyano-4-trifluoromethylimidazolo[3,2-a]imidazole and their addition salts with an acid, imidazolo[1,2-b][1,2,4]triazoles such as imidazolo[1,2-b][1,2,4]triazole, 6-methylimidazolo[1,2-b][1,2,4]triazole, 6-isopropylimidazolo[1,2-b][1,2,4]triazole, 6-phenylimidazolo[1,2-b][1,2,4]triazole, 2,6-dimethylimidazolo[1,2-b][1,2,4]triazole, 6-isopropyl-2-methylimidazolo[1,2-b][1,2,4]triazole, 2-methyl-6-phenylimidazolo[1,2-b][1,2,4]triazole, 6-methyl-2-phenylimidazolo[1,2-b][1,2,4]triazole, 6-isopropyl-2-phenylimidazolo[1,2-b][1,2,4]triazole, 7-chloro-2,6-dimethylimidazolo[1,2-b][1,2,4]triazole, 7-chloro-2-phenyl-6-tertbutylimidazolo[1,2-b][1,2,4]triazole, 6-trifluoromethylimidazolo[1,2-b][1,2,4]triazole, and their addition salts with an acid and imidazolo[2,1-c][1,2,4]triazoles such as imidazolo-[2,1-c][1,2,4]triazole, 5-methylimidazolo-[2,1-c][1,2,4]triazole, 5,8-dimethylimidazolo[2,1-c][1,2,4]triazole, 5-methyl-8-phenylimidazolo[2,1-

c][1,2,4]triazole, 8-phenylimidazo[2,1-c][1,2,4]triazole, 6-chloro-5,8-dimethylimidazo[2,1-c][1,2,4]triazole and their addition salts with an acid.

35. The composition of Claim 27, in which the azole-containing heterocyclic coupler is a thiazolo-azole.

36. The composition of 27, in which the azole-containing heterocyclic derivate is a pyrrolo-oxazole.

37. The composition of Claim 27, in which the azole-containing heterocyclic coupler is a hydroxypyrazolo-pyrimidine, preferably a hydroxypyrazolo[1,5-a]pyrimidine such as 2-hydroxy-5-methyl-7-ethylpyrazolo[1,5-a]pyrimidine, 2-hydroxy-5,6,7-trimethylpyrazolo[1,5-a]pyrimidine, 2-hydroxy-5,7-dimethyl-6-ethylpyrazolo[1,5-a]pyrimidine, 2-hydroxy-7-methylpyrazolo[1,5-a]pyrimidine, 2-hydroxy-5-methyl-7-carboxypyrazolo[1,5-a]pyrimidine, 2,7-dihydroxy-5,6-dimethyl-pyrazolo[1,5-a]pyrimidine.

38. The composition of Claim 27, in which the azole-containing heterocyclic coupler is an isoxazolone, preferably chosen from 4-carboxy- $\beta$ : $\gamma$ -benzooisoxazolone, 1-acetyl-4-carboxy- $\beta$ : $\gamma$ -benzooisoxazolone, 6-carboxy- $\beta$ : $\gamma$ -benzooisoxazolone, 1-acetyl-6-carboxy- $\beta$ : $\gamma$ -benzooisoxazolone,  $\beta$ : $\gamma$ -benzooisoxazolone, 1-acetyl- $\beta$ : $\gamma$ -benzooisoxazolone, 4-methyl- $\beta$ : $\gamma$ -benzooisoxazolone, 1-acetyl-4-( $\beta$ -hydroxyethylamino)-carbonyl- $\beta$ : $\gamma$ -benzooisoxazolone, 3-phenyl-5-isoxazolone, 2-acetyl-3-phenyl-5-isoxazolone, 3,4-diphenyl-5-isoxazolone, 3-methyl-5-isoxazolone, 3,4-tetramethylene-5-isoxazolone.

39. The composition of Claim 27, in which the azole-containing heterocyclic coupler is an indazolone, preferably chosen from indazolone, 5-chloroindazolone, 6-chloroindazolone, 1-ethylindazolone, 5-dimethylaminoindazolone, 1-methylindazolone, 1-isopropylindazolone, 1-butylindazolone, 3-chloroindazolone, 4-chloroindazolone, 5-methylindazolone, 6-methylindazolone, 5-ethylindazolone, 6-propylindazolone, 5-butylindazolone, 1,5-dimethylindazolone, 1,6-dimethylindazolone, 1-methyl-5-chloroindazolone, 1-methyl-6-chloroindazolone, 1-ethyl-5-chloroindazolone, 1-ethyl-6-bromoindazolone, 5-aminoindazolone, 6-dimethylaminoindazolone, 5-diethylaminoindazolone, 1-methyl-5-dimethylaminoindazolone 5-dibutylaminoindazolone.

40. The composition of Claim 27, in which theazole-containing heterocyclic coupler is a benzimidazole, preferably chosen from 4,7-dihydroxybenzimidazole, 4,7-dihydroxy-1-methylbenzimidazole, 4,7-dihydroxy-2-methylbenzimidazole, 4,7-dihydroxy-1-ethylbenzimidazole, 4,7-dihydroxy-1-propylbenzimidazole, 4,7-dihydroxy-1-butylbenzimidazole, 4,7-dihydroxy-2-ethylbenzimidazole, 4,7-dihydroxy-2-butylbenzimidazole, 4,7-dihydroxy-1,2-dimethylbenzimidazole hydrobromide, 4,7-dimethoxybenzimidazole, 4,7-dimethoxy-1-methylbenzimidazole, 4,7-dimethoxy-1-ethylbenzimidazole, 4,7-dimethoxy-2-methylbenzimidazole, 4,7-dimethoxy-2-ethylbenzimidazole, 5,6-dihydroxybenzimidazole, 5,6-dihydroxy-1-methylbenzimidazole, 5,6-dihydroxy-1-ethylbenzimidazole, 5,6-dihydroxy-1-butylbenzimidazole, 5,6-dihydroxy-2-methylbenzimidazole, 5,6-dihydroxy-2-butylbenzimidazole, 5,6-dihydroxy-2-phenylbenzimidazole hydrobromide, 5,6-dimethoxybenzimidazole, 5,6-dimethoxy-1-methylbenzimidazole, 5,6-dimethoxy-1-ethylbenzimidazole, 5,6-dimethoxy-1-propylbenzimidazole, 5,6-dimethoxy-2-methylbenzimidazole, 5,6-dimethoxy-2-butylbenzimidazole, 5,6-dimethoxy-2-phenylbenzimidazole, 5,6-dimethoxy-1,2-dimethylbenzimidazole, 4-hydroxy-7-methoxybenzimidazole, 5-hydroxy-6-methoxybenzimidazole, 4-hydroxy-7-methoxy-1-methylbenzimidazole, 5-hydroxy-6-methoxy-1,2-dimethylbenzimidazole.

41. The composition of Claim 1, in which the heterocyclic coupler is a 2,3-diaminopyridine, preferably chosen from 6-methoxy-3-amino-2-phenylaminopyridine, 6-methoxy-3-amino-2-(4'-hydroxyphenyl)pyridine, 6-methoxy-3-amino-2-(2'-methoxyphenyl)aminopyridine, 6-methoxy-3-amino-2-(2'-hydroxyphenyl)aminopyridine, 6-methoxy-3-amino-2-diethylaminopyridine, 6-methoxy-3-amino-2-dimethylaminopyridine, 6-methoxy-3-amino-2-(methyl-2'-hydroxyethyl)aminopyridine, 6-methoxy-3-amino-2-(n-butyl-2'-hydroxyethyl)pyridine, 6-methoxy-3-amino-2-bis-(2'hydroxyethyl)aminopyridine, 6-methoxy-3-amino-2-(2'3'-dihydroxypropyl)aminopyridine, 6-methoxy-3-amino-2-(1',1'-dimethyl-2'-hydroxyethyl)aminopyridine, 6-methoxy-3-amino-2-(1'-hydroxymethyl-2'-hydroxyethyl)aminopyridine, 6-methoxy-3-amino-2-(1'-methyl-2'-hydroxyethyl)aminopyridine, 6-methoxy-3-amino-2-(3'-dimethylaminopropyl)aminopyridine, 6-methoxy-3-amino-2-bis-(methoxyethyl)aminopyridine, 6-methoxy-3-amino-2-bis-(2'-propenyl)aminopyridine, 6-methoxy-3-amino-2-pyrrolidinylpyridine, 6-methoxy-3-amino-2-(3'acetamidopyrrolidinyl)pyridine, 6-

methoxy-3-amino-2-(2'5'dimethylpyrrolidinyl)pyridine, 6-methoxy-3-amino-2-(2'-dimethylaminoethyl)aminopyridine, 6-methoxy-3-amino-2-morpholinopyridine, 6-methoxy-3-amino-2-(2'-methylpyrrolidinyl)pyridine, 6-methoxy-3-amino-2-piperazinylpyridine, 6-methoxy-3-amino-2-pyridinylpyridine, 6-methoxy-3-amino-2-pyrrolidinylpyridine, 6-methoxy-3-amino-2-(2'-methylpyridinyl)pyridine, 6-methoxy-3-amino-2-(2'-hydroxyethylpyridinyl)pyridine, 6-methoxy-3-amino-2-(2'-pyrrolidinylethyl)aminopyridine, 6-methoxy-3-amino-2-(3'-imidazolinypropyl)aminopyridine, 6-methoxy-3-amino-2-[3'-(3''-methylimidazolium)propyl]aminopyridine, 6-(2'-trifluoroethoxy)-5-trifluoromethyl-2,3-diaminopyridine, 6-phenoxy-5-trifluoromethyl-2,3-diaminopyridine and 6-methoxy 2,3-diaminopyridine.

42. The composition of Claim 1, in which the heterocyclic coupler is a 3-amino-5-hydroxypyridine, preferably chosen from 3-amino-5-hydroxy-2,6-dimethoxypyridine and 3-amino-5-hydroxy-2,6-di-(2'-hydroxyethoxy)pyridine.

43. The composition of Claim 1, in which the heterocyclic coupler is a thiophene, preferably an  $\omega$ -cyanoacetylthiophene, and still more preferably 5-amino-2-( $\omega$ -cyanoacetyl)thiophene.

44. The composition of Claim 1, in which the heterocyclic coupler is an indoline preferably chosen from 5-aminoindolines, 6-aminoindolines, 7-aminoindolines and their cosmetically acceptable salts such as the hydrochlorides, 5-hydroxyindoline and its monohydrochloride, 5,6-diaminoindoline and 5,7-diaminoindoline and their hydrochlorides, 5-amino-6-nitroindoline and its hydrochloride, 5-bromo-7-nitroindoline and its hydrochloride, 6-nitroindoline and its cosmetically acceptable salts, 5,7-diamino-1-methylindoline, 5,7-diamino-2-methylindoline, 5,7-diamino-3-methylindoline, 5,7-diamino-2,2-dimethylindoline, 5,7-diamino-2,3-dimethylindoline, 5,7-diamino-2-methyl-3-ethylindoline, 5,7-diamino-1-ethyl-2-methyl-2-ethylindoline, 5,7-diamino-6-methylindoline, 5,7-diamino-1,6-dimethylindoline, 5-dimethylamino-7-amino-1-butylindoline, 5-diethylamino-7-amino-2,2-dipropylindoline, 5-amino-7-dimethylamino-2-methyl-3-butylindoline, 5-amino-7-dibutylamino-3,3-diethylaminoindoline, 5,7-bis-dimethylaminoindoline, 6-aminoindoline dihydrochloride, 6-hydroxyindoline hydrochloride, 1-ethyl-6-aminoindoline dihydrochloride, 1-N-ethyl-4-hydroxyindoline hydrobromide, 5,6-dihydroxyindoline, N-methyl-5,6-dihydroxyindoline, N-ethyl-5,6-

dihydroxyindoline, N-propyl-5,6-dihydroxyindoline, N-butyl-5,6-dihydroxyindoline and 2-carboxy-5,6-dihydroxyindoline.

45. The composition of Claim 1, in which the heterocyclic coupler is a benzofuran, preferably chosen from hydroxybenzofurans such as 2-methyl-6-hydroxybenzofuran, 3-methyl-6-hydroxybenzofuran, 2,4-dimethyl-6-hydroxybenzofuran, 3-n-propyl-6-hydroxybenzofuran, 2-ethyl-5-hydroxybenzofuran, 2-methyl-5-hydroxybenzofuran, 3-methyl-5-hydroxybenzofuran, 3-isobutyl-5-hydroxybenzofuran, 3-ethyl-5-hydroxybenzofuran, 2,6-dimethyl-5-hydroxybenzofuran, 3,6-dimethyl-5-hydroxybenzofuran, 6,7-dimethyl-5-hydroxybenzofuran, 3-n-propyl-5-hydroxybenzofuran, 3-methyl-4-n-propyl-5-hydroxybenzofuran, 2-hexyl-5-hydroxybenzofuran, 2-n-propyl-5-hydroxybenzofuran, 4-tertibutyl-5-hydroxybenzofuran, 6-tertibutyl-5-hydroxybenzofuran, 4-methyl-5-hydroxybenzofuran, 3-methyl-5-n-propyl-4-hydroxybenzofuran, 2-ethyl-4-hydroxybenzofuran, 2-methyl-6-pentyl-4-hydroxybenzofuran, 6-pentyl-4-hydroxybenzofuran, 3,5-dimethyl-4-hydroxybenzofuran, 3,7-dimethyl-4-hydroxybenzofuran, 2,6-di-tertibutyl-4-hydroxybenzofuran, 2-methyl-4-hydroxybenzofuran, 3-methyl-4-hydroxybenzofuran, 2-methyl-7-ethyl-4-hydroxybenzofuran, 2,7-dimethyl-4-hydroxybenzofuran, 2-isopropyl-4-hydroxybenzofuran, 3-ethyl-4-hydroxybenzofuran, 3-methyl-7-tertibutyl-4-hydroxybenzofuran, 3-methyl-5-tertibutyl-4-hydroxybenzofuran, 2,6-dimethyl-4-hydroxybenzofuran, 3-isopropyl-4-hydroxybenzofuran, 3-n-propyl-4-hydroxybenzofuran, 3-methyl-7-n-propyl-4-hydroxybenzofuran, 3-methyl-6-n-propyl-7-hydroxybenzofuran, 3-methyl-7-hydroxybenzofuran, 2-ethyl-4-methyl-7-hydroxybenzofuran, 2-ethyl-5-methyl-7-hydroxybenzofuran, the diaminobenzofurans such as 5,7 diaminobenzofuran, 5,7 diamino-2-methylbenzofuran, 5,7 diamino-2-ethylbenzofuran, 5-dimethylamino-7-aminobenzofuran, 4,6 diaminobenzofuran et the  $\omega$ -cyanoacetylbenzofurans such as 5-amino-2-( $\omega$ -cyanoacetyl)- benzofuran.

46. The composition of Claim 1, in which the heterocyclic coupler is an 8-amino-6-methoxyquinoline, preferably chosen from 8-amino-6-methoxyquinoline, 8-amino-5-bromo-6-methoxyquinoline, 8-amino-5-chloro-6-methoxyquinoline, 8-amino-5,7-dibromo-6-methoxyquinoline, 8-amino-5-methyl-6-methoxyquinoline, 8-amino-5,7-dimethyl-6-methoxyquinoline, 8-amino-5-ethyl-6-methoxyquinoline, 8-amino-5-butyl-6-methoxyquinoline, 8-amino-5-phenyl-6-methoxyquinoline, 8-amino-2-phenyl-6-methoxy-



quinoline, 8-amino-2-benzyloxy-6-methoxyquinoline, 8-amino-4-dimethylamino-6-methoxyquinoline, 8,4-diamino-6-methoxyquinoline, 8-amino-4-chloro-6-methoxyquinoline.

47. The composition of Claim 1, in which the heterocyclic coupler is a 4-hydroxyquinolone, preferably chosen from 7-dimethylamino-4-hydroxy-2-quinolone, 6-methyl-4-hydroxy-2-quinolone, 6-dimethylamino-4-hydroxy-2-quinolone, 6-methoxy-4-hydroxy-2-quinolone, 8-chloro-4-hydroxy-2-quinolone, 1-methyl-7-dimethylamino-4-hydroxy-2-quinolone, 1-methyl-4-hydroxy-2-quinolone, 1-methyl-8-chloro-4-hydroxy-2-quinolone, 1,6-dimethyl-4-hydroxy-2-quinolone, 1-methyl-6-dimethylamino-4-hydroxy-2-quinolone, 6-(2-hydroxyethyl)-4-hydroxy-2-quinolone, 1-isopropyl-4-hydroxy-2-quinolone, 1-methyl-7-isopropyl-4-hydroxy-2-quinolone, 1-n-butyl-8-bromo-4-hydroxy-2-quinolone.

48. The composition of Claim 1, in which the heterocyclic coupler is a benzodioxole, preferably chosen from 5-amino-1,3-benzodioxole, 5-hydroxy-1,3-benzodioxole, 5-amino-2-methyl-1,3-benzodioxole, 5-hydroxy-2,2-dimethyl-1,3-benzodioxole, 5-hydroxy-2-ethyl-1,3-benzodioxole, 5-hydroxy-2-butyl-1,3-benzodioxole, 5-hydroxy-2-phenyl-1,3-benzodioxole, 5,6-dihydroxy-1,3-benzodioxole, 4,7-dihydroxy-1,3-benzodioxole, 4,7-diamino-2-methyl-1,3-benzodioxole, 5,6-diamino-2,2-diphenyl-1,3-benzodioxole, 4,5,7-triamino-1,3-benzodioxole, 5-hydroxy-7-methyl-2,2-diethyl-1,3-benzodioxole.

49. The composition of Claim 1, in which the heterocyclic coupler is a hydroxybenzamide, preferably 2,4-dihydroxybenzamide such as N-phenyl-2,4-dihydroxybenzamide, N-(2'-methoxyphenyl)-2,4-dihydroxybenzamide, N-(3'-methoxyphenyl)-2,4-dihydroxybenzamide, N-(4'-methoxyphenyl)-2,4-dihydroxybenzamide, N-(4'-carboxyphenyl)-2,4-dihydroxybenzamide, N-(2'-pyridyl)-2,4-dihydroxybenzamide, N-(3'-pyridyl)-2,4-dihydroxybenzamide, N-(2',5'-dimethoxyphenyl)-2,4-dihydroxybenzamide, N-(3',5'-dimethoxyphenyl)-2,4-dihydroxybenzamide, N-(2'-methoxy-5'-aminophenyl)-2,4-dihydroxybenzamide, N-(4'-(N,N-dimethylamino)phenyl)-2,4-dihydroxybenzamide, N-(4'-hydroxyphenyl)-2,4-dihydroxybenzamide, N-methyl-2,4-dihydroxybenzamide, N-benzyl-2,4-dihydroxybenzamide, as well as the unsubstituted 2,4-dihydroxybenzamide.

50. The composition of Claim 1, in which the heterocyclic coupler(s) represent from 0.005% to 10% by weight, preferably from 0.01% to 5% by weight, and still preferably from 0.05% to 3% by weight relative to the total weight of the composition.
51. The composition of Claim 1, in which the cationic tertiary para-phenylenediamine(s) having a pyrrolidine ring represent from 0.001 to 10%, and preferably from 0.005 to 6% by weight relative to the total weight of the composition.
52. The composition of Claim 1, such that it additionally contains at least one cationic polymer.
53. The composition of Claim 1, such that it additionally contains at least one thickening polymer.
54. The composition of Claim 1, such that it additionally contains at least one surfactant chosen from the group consisting of anionic surfactants, amphoteric or zwitterionic surfactants, nonionic surfactants and cationic surfactants.
55. The composition of Claim 1, such that it comprises at least one additional oxidation base other than cationic tertiary para-phenylenediamines having a pyrrolidine ring chosen from para-phenylenediamines, bis-phenylalkylenediamines, para-aminophenols, ortho-aminophenols, heterocyclic bases and their addition salts.
56. The composition of Claim 55, in which the additional oxidation base(s) are present in a quantity of between 0.001 to 20% by weight and preferably between 0.005 and 6% by weight relative to the total weight of the composition.
57. The composition of Claim 1, such that it additionally comprises at least one additional coupler chosen from meta-phenylenediamines, meta-aminophenols, meta-diphenols, naphthalene couplers, heterocyclic couplers and their addition salts.
58. The composition of Claim 57, such that the additional coupler is chosen from 1,3-dihydroxybenzene, 1,3-dihydroxy-2-methylbenzene, 4-chloro-1,3-dihydroxybenzene, 2,4-diamino-1-( $\beta$ -hydroxyethyloxy)benzene, 2-amino-4-( $\beta$ -hydroxyethylamino)-1-methoxybenzene, 1,3-diaminobenzene, 1,3-bis(2,4-diaminophenoxy)propane, 3-ureidoaniline, 3-ureido-1-dimethylaminobenzene, sesamol, 1- $\beta$ -hydroxyethylamino-3,4-

methylenedioxybenzene,  $\alpha$ -naphthol, 2-methyl-1-naphthol, 6-hydroxyindole, 4-hydroxyindole, 4-hydroxy-N-methylindole, 2-amino-3-hydroxypyridine, 6-hydroxybenzomorpholine, 3,5-diamino-2,6-dimethoxypyridine, 1-N-( $\beta$ -hydroxyethyl)amino-3,4-methylenedioxybenzene, 2,6-bis( $\beta$ -hydroxyethylamino)toluene and their addition salts.

59. The composition of Claim 58, such that the additional coupler(s) are present in a quantity of between 0.001 and 20%, preferably between 0.005 and 6% by weight relative to the total weight of the composition.

60. The composition of Claim 1, such that it additionally comprises at least one direct dye.

61. The composition of Claim 1, such that it additionally comprises at least one hydroxylated solvent such as ethanol, propylene glycol, glycerol, polyol monoethers.

62. The composition of Claim 1, such that it comprises an oxidizing agent chosen from hydrogen peroxide, urea peroxide, alkali metal bromates, persalts, peracids and oxidase enzymes, and preferably hydrogen peroxide.

63. A method for the oxidation dyeing of keratinous fibres, characterized in that a dyeing composition as defined in Claim 1 is applied to the fibres in the presence of an oxidizing agent.

64. A multicompartiment device in which the first compartment contains a dyeing composition for dyeing keratinous fibres, as in Claim 1 and a second compartment contains an oxidizing agent.